## CINTERNATIONAL SEARCH REPORT

International Application No PCT/JP2004/018082

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 B01J35/00 B01J23/89

B01D53/94

J23/89 B01J23/656

B01J23/60

B01J37/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) IPC 7-B01J-B01D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data, COMPENDEX

C. DOCUM	ENTS CONSIDERED TO BE RELEVA NT	
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х	PATENT ABSTRACTS OF JAPAN vol. 2000, no. 13, 5 February 2001 (2001-02-05) & JP 2000 296339 A (TOYOTA MOTOR CORP), 24 October 2000 (2000-10-24) abstract	1-14
X	WO 95/32790 A1 (ALLIEDSIGNAL ENVIRONMENTAL CATALYSTS) 7 December 1995 (1995-12-07) the whole document	1-14
X	EP 1 043 065 A (TOYOTA JIDOSHA KABUSHIKI KAISHA) 11 October 2000 (2000-10-11)	1,2,4,5, 7,8, 10-12,14
	the whole document	
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Further documents are listed in the continuation of box C.	χ Patent family members are listed in annex.
Special categories of cited documents:  A* document defining the general state of the art which is not considered to be of particular relevance  E* earlier document but published on or after the international filling date  L* document which may throw doubts on priority cialm(s) or which is cited to establish the publication date of another citation or other special reason (as specified)  O* document referring to an oral disclosure, use, exhibition or other means  P* document published prior to the international filling date but later than the priority date claimed	"T" later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention  "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone  "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.  "&" document member of the same patent family
Date of the actual completion of the international search	Date of mailing of the international search report
1 February 2005	08/02/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentiaan 2 NL – 2280 HV Rijswijk	Authorized officer
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Zuurdeeg, B

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